

Rabbit CDK5R2 Polyclonal Antibody | anti-CDK5R2 antibody

CDK5R2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327423	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CDK5R2; Polyclonal Antibody; CDK5R2 Antibody; CD5R2_HUMAN; CDK5 activator 2; Cdk5r2; Cyclin dependent kinase 5 activator 2; Cyclin dependent kinase 5 activator isoform p39i; Cyclin dependent kinase 5 regulatory subunit 2; Cyclin-dependent kinase 5 activator 2; Cyclin-dependent kinase 5 regulatory subunit 2; NCK5AI; Neuronal CDK5 activator isoform; p39; P39I; p39nck5ai; anti-CDK5R2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CDK5R2 antibody detects endogenous levels of total CDK5R2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	367
Applicable Applications for anti-CDK5R2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDK5R2
Subcellular Location	Plasma Membrane
Tissue Specificity	Brain and neuron specific.
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (100%), Bovine (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of CDK5R2 using Jurkat whole cell lysates



IF (Immunofluorescence)
AAA327423 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from rat brain, mouse brain, using CDK5R2 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK5R2 antibody	Function: Activator of CDK5/TPKII. Subunit Structure: Heterodimer of a catalytic subunit and a regulatory subunit. Post-translational Modifications: Myristoylated. The Gly-2-Ala mutant is absent of the cell periphery, suggesting that a proper myristoylation signal is essential for the proper distribution of CDK5R2 (p39). Similarity: Belongs to the cyclin-dependent kinase 5 activator family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502739
NCBI GeneID	8941
NCBI Accession #	NP_003927.1
NCBI GenBank Nucleotide #	NM_003936.4
UniProt Accession #	Q13319; Q4ZFW6
Molecular Weight	Observed: 39 kDa Predicted: 39 kDa
NCBI Official Full Name	cyclin-dependent kinase 5 activator 2
NCBI Official Synonym Full Names	cyclin dependent kinase 5 regulatory subunit 2
NCBI Official Symbol	CDK5R2
NCBI Official Synonym Symbols	P39; NCK5AI; p39nck5ai
NCBI Protein Information	cyclin-dependent kinase 5 activator 2
UniProt Protein Name	Cyclin-dependent kinase 5 activator 2
UniProt Gene Name	CDK5R2
UniProt Synonym Gene Names	NCK5AI; CDK5 activator 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.